

**HEALTH MANAGEMENT &
INFORMATICS
2014-2015 STUDENT HANDBOOK**





Contents

STATEMENT OF NONDISCRIMINATION	1
UNIVERSITY OF MISSOURI STATEMENT OF VALUES	2
MISSION STATEMENT FOR THE HEALTH MANAGEMENT AND INFORMATICS DEPARTMENT	3
MISSION STATEMENT FOR THE HEALTH MANAGEMENT AND INFORMATICS DEPARTMENT	4
ACADEMIC REGULATIONS.....	5
Expectations of Professional Conduct.....	5
Student Responsibility.....	5
MU Policies.....	5
HMI PROFESSIONAL DEVELOPMENT OPPORTUNITIES & RESOURCES.....	6
Summer Internship Experience	6
Wednesday Forums.....	6
Student-Alumni Mentoring.....	6
Fall Institute	7
Inter-Professional and Case Competition Opportunities	7
Professional Conferences	7
Student Participation in Professional Organizations	7
FINANCIAL AID	9
IT & ACADEMIC RESOURCES	10
Student Mailboxes and E-Mail.....	10
Mizzou Information Technology	10
IAT Services Training.....	10
Health Sciences Library	10
Graduate Tutoring at the Writing Lab, Student Success Center	11
Student Competency in Referencing Tutorial	11
English Language Resources	11
HMI STUDENT SERVICES INFORMATION.....	12
Whom to Contact Matrix.....	13
HMI FACULTY MENTOR INFORMATION	14
HMI PROGRAM ACADEMIC INFORMATION.....	15
MHA Plan of Study.....	15
MSHI Plan of Study & HI Graduate Certificate Plan of Study	16
MU DARSweb & Degree Audits	17
HMI FALL 2014 AND SPRING 2015 CLASS SCHEDULES	18
GRADUATE SCHOOL ACADEMIC INFORMATION.....	19
Dual Master's Degrees.....	20
Thesis Option.....	20
Graduate Examination Requirements.....	20
HM Oral Comprehensive Examination Policies & Procedures.....	20
Progress Toward Degree	21
Time Limit for Master's Degree Completion	21
Graduation and Commencement	21
ADDITIONAL STUDENT RESOURCES	22
CAMPUS INFORMATION AND RESOURCES	22
APPENDIX.....	23



STATEMENT OF NONDISCRIMINATION

The University of Missouri does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, age, genetics information, disability, or status as a protected veteran. The University's nondiscrimination policy applies to all phases of its employment process, its admission and financial aid programs, and to all other aspects of its educational programs and activities. Further, this policy applies to sexual violence and sexual harassment (forms of sex discrimination) occurring both within and outside of the University context if the conduct negatively affects the individual's educational or work experience or the overall campus environment. Retaliation directed to any person who pursues a discrimination complaint or grievance, participates in a discrimination investigation, or otherwise opposes unlawful discrimination is prohibited.

Any person having inquiries concerning the University of Missouri's application of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972*, Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, or other civil rights laws should contact one of the following:

Associate Vice Chancellor of Human Resource Services/Affirmative Action Officer

University of Missouri
1095 Virginia Avenue, Room 101
Columbia, MO 65211
573-882-4256;

Director of MU Equity/Title IX Coordinator

Equity Office, Memorial Unions S303
englishno@missouri.edu
573-882-9069

Assistant Secretary for Civil Rights

(regarding race, color, sex, national origin, disability, and age issues),
[U.S. Department of Education](#)

***Title IX** prohibits sex discrimination, including sexual harassment and sexual violence, in all educational programs and activities. For more information please visit our [Title IX Compliance page](#)



UNIVERSITY OF MISSOURI STATEMENT OF VALUES

<http://www.missouri.edu/about/values.php>

The University of Missouri, as the state's major land-grant university, honors the public trust placed in it and accepts the associated accountability to the people of Missouri for its stewardship of that trust. Our duty is to acquire, create, transmit, and preserve knowledge, and to promote understanding. We, the students, faculty, and staff of MU, hold the following values to be the foundation of our identity as a community. We pledge ourselves to act, in the totality of our life together, in accord with these values.

RESPECT

Respect for one's self and for others is the foundation of honor and the basis of integrity. A hallmark of our community is respect—for the process by which we seek truths and for those who engage in that process. Such respect is essential for nurturing the free and open discourse, exploration, and creative expressions of truth and honesty. Respect is demonstrated by a commitment to act ethically, to welcome difference, and to engage in open exchange about both ideas and decisions.

RESPONSIBILITY

A sense of responsibility requires careful reflection on one's moral obligations. Being responsible imposes the duty on us and our university to make decisions by acknowledging the context and considering consequences, both intended and unintended, of any course of action. Being responsible requires us to be thoughtful stewards of resources—accountable to ourselves, each other, and the public we serve.

DISCOVERY

Learning requires trust in the process of discovery. Discovery often fractures existing world views and requires acceptance of uncertainty and ambiguity. Therefore, the university must support all its members in this life-long process that is both challenging and rewarding. As we seek greater understanding and wisdom, we also recognize that knowledge itself has boundaries—what we know is not all that is.

EXCELLENCE

We aspire to an excellence that is approached through diligent effort, both individual and collective. Pursuing excellence means being satisfied with no less than the highest goals we can envision. Pursuing excellence involves being informed by regional, national, and global standards, as well as our personal expectations. We recognize and accept the sacrifices, risks, and responsibilities involved in pursuing excellence, and so we celebrate each other's success. We commit ourselves to this process in an ethical and moral manner.

These statements are mere words until we integrate them as values in our individual lives and reflect them in our institutional policies and practices. We pledge ourselves to make them effective in the very fabric of our lives, our community, and all our relationships with others, thereby enhancing the development of individuals and the well-being of society.



MISSION STATEMENT FOR THE HEALTH MANAGEMENT AND INFORMATICS DEPARTMENT

<http://hmi.missouri.edu/about/mission.html>

HMI Department Vision:

To be a national leader in health management and informatics education, research, and service.

HMI Department Mission:

To engage in research, education and service activities for the health care community that supports development, translation, and dissemination of health care strategies that improve population health.

Guiding Principles and Values:

Value - Create value through knowledge about health organizational processes using evidence-based decision making to achieve the highest level of population-based health. Achieve broad cultural competence in order to work effectively in collaborative and diverse work and community environments.

Knowledge - Develop learning partnerships among the faculty, students, staff, and health professionals for creating, disseminating, and applying knowledge to achieve high levels of performance of health care organizations.

Leadership - Foster a learning environment in which faculty, staff, and students envision the future and develop strategies for change.

Technology - Use advanced information technology to improve organizational performance and individual and population health outcomes.

Quality - Create an environment for excellence in quality and for quality improvement in all educational, research, and health services delivery processes.



MISSION STATEMENT FOR THE HEALTH SERVICES MANAGEMENT PROGRAM

http://hmi.missouri.edu/prospective/mission_mha.html

HSM Mission and Vision Statements

Creating the future of health care delivery through:

the development and application of knowledge in health care organizations for providing evidence-based solutions; and the preparation of early and mid-career leaders and managers who effect change in complex and diverse organizations to achieve the highest levels of individual and population-based health.

Vision: To be a transformational leader in creating the future of early and mid-career leaders in health care delivery.

Guiding Principles and Values:

Value - Create value through knowledge about health organizational processes using evidence-based decision making to achieve the highest level of population-based health. Achieve broad cultural competence in order to work effectively in collaborative and diverse work and community environments.

Knowledge - Develop learning partnerships among the faculty, students, staff, and health professionals for creating, disseminating, and applying knowledge to achieve high levels of performance of health care organizations.

Leadership - Foster a learning environment in which faculty, staff, and students envision the future and develop strategies for change.

Technology - Use advanced information technology to improve organizational performance and individual and population health outcomes.

Quality - Create an environment for excellence in quality and for quality improvement in all educational, research, and health services delivery processes.



ACADEMIC REGULATIONS

Inside and Outside the Classroom – Expectations of Professional Conduct

Students are expected to conduct themselves responsibly and professionally when dealing with all members of the University of Missouri community, as well as at networking events, job interviews, and other functions where they are representing HMI. Students are expected to avoid any impropriety or appearance thereof in the use of social media. In addition, students are expected to help maintain the appearance and the functionality of the building, classrooms, and other facilities.

Student Responsibility

It is each graduate student's responsibility to be familiar with the information presented in this handbook, as well as the University of Missouri's guidelines, and to know and observe all regulations and procedures relating to his or her degree program. In no case will a regulation be waived or an exception granted because students plead ignorance of, or contend that they were not informed of, the regulations and procedures.

Responsibility for following all policies and meeting all requirements and deadlines for graduate programs rests with the student.

Important links to University of Missouri policies:

Student Standard of Conduct

http://www.umsystem.edu/ums/rules/collected_rules/programs

Additional policies can be found on the MU Academic Integrity website

<http://osrr.missouri.edu/guidelines/index.html>

MU Division of IT's (DoIT) policies and procedures are available at

<http://doit.missouri.edu/about/policies-procedures/>. In particular, please familiarize yourself with MU's Acceptable Use Policy:

http://www.umsystem.edu/ums/rules/collected_rules/facilities/ch110/110.005_acceptable_use_policy. Information pertaining to misuse of computing resources is also discussed in in MU's Standard of Conduct document (see link above).



HMI PROFESSIONAL DEVELOPMENT OPPORTUNITIES & RESOURCES

Summer Internship Experience

A 12-week internship is required for health services management students to earn the MHA degree. While not required for the MS in Health Informatics degree, informatics students are also welcome to undertake the internship experience. Each student works with HMI's Executive-in-Residence, Rick Sommer, to obtain an internship placement. All students must attend all required informational meetings, resume workshops, and job interview preparation sessions prior to their internship. Students must also enroll in HMI 8689 – Field Experience in Health Management and Informatics (three credit hours) for the summer semester in which they complete the internship. There will be deliverables due during the course of the internship, and a required presentation at the beginning of the following Fall semester.¹ The internship provides students with invaluable work experience and networking opportunities.

Wednesday Forums

ALL students, both MHA and HI, are required to attend Wednesday Forums, held every Wednesday from 12:00-1:00 p.m. Wednesday Forums are valuable professional networking and educational sessions. Beyond presentations and Q&A sessions, most of the Wednesday Forum speakers are also engaged in developing their hiring networks, and travel to campus with an eye toward recruitment.

Wednesday Forum speakers will include health industry executives, leading physicians, legislators, scholars, and current administrative fellows. Occasionally, special forums will be held on days and times other than Wednesday noontime to take advantage of available speakers.

The consequences of absence from Wednesday Forums include missed professional networking opportunities for internships and post-graduation job placements – including fellowships - and diminished ability of HMI faculty to provide strong letters of recommendation for fellowship and job applications.

A calendar of Forum presentations for each semester is maintained at http://hmi.missouri.edu/students/seminars_forums.html

Internship and Post-Graduation Application Workshops

The department will arrange resume and interview workshops on an “as needed” basis throughout the academic year. These workshops are an opportunity for faculty and alumni to review and comment on students' personal statements, resumes, cover letters, interview preparation, etc., for summer internships and post-graduation placements.

Student-Alumni Mentoring

Students are offered multiple opportunities to collaborate with program alumni in such areas as career planning and professional networking. Veronica Lemme, HMI's Alumni Relations Liaison, helps assign each student an alumna or alumnus to serve as a mentor.

¹ Please see HMI Summer Internship Information document (p. 20) for further information about internship requirements.



Resume Book

The HMI Resume Book features a resume and professional portrait of each student in the final year of their degree program. The Resume Book is completed each year by the time of the HMI Fall Institute, where current HMI students will have the opportunity to network with HMI alumni.

HMI's most recent Resume Book is available at:

http://hmi.missouri.edu/alumni/resume_book/2013-2014_HMI_Resume_Book.pdf

Fall Institute

Every October, the HMI Department hosts the Fall Institute, which is scheduled to coincide with Homecoming Weekend. Fall Institute events include scheduled time for student networking with HMI alumni, a career positioning panel discussion, roundtable sessions for students and alumni, scheduled social activities, and a benefit dinner and silent auction to raise money for HMIGSA.

All non-social events on Thursday evening and Friday are required for all students. The tailgate on Saturday is optional.

Inter-Professional and Case Competition Opportunities

In the Spring Semester of their second year, HMI students participate in the University of Missouri's Inter-professional Curriculum in Quality Improvement, Patient Safety, and Teamwork, where they collaborate with medical, nursing, pharmacy, respiratory therapy, and other health professions students in case-based problem solving and development of recommendations.

HMI students have multiple opportunities to participate in regional and national case competitions, such as the University of Kansas Regional Case Competition, the University of Alabama-Birmingham Health Administration Case Competition, The Ohio State University Healthcare Case Competition (for first year students only), and the Clarion Inter-professional Case Competition hosted by the University of Minnesota. In the Clarion Competition, a team of four MU students consisting of a medical, nursing, HMI, and other health professions student are given a case study and are charged with creating a root cause analysis and set of actionable recommendations.

Professional Conferences

HMI students have the opportunity to attend national conferences, such as the American College of Healthcare Executives' (ACHE) annual Congress on Healthcare Leadership and the Healthcare Information and Management Systems Society (HIMSS) annual conference and exhibition. Each year, HMI's Graduate Student Association (HMIGSA) awards conference funding to help cover costs to students who apply.

Student Participation in Professional Organizations

Professional organizations in which students may be interested:

Health Services Management

- American College of Healthcare Executives (ACHE)
- Medical Group Management Association/American College of Medical Practice Executives (MGMA/ACMPE)
- Health Care Financial Management Association (HFMA)
- AcademyHealth
- Institute for Healthcare Improvement (IHI)



Health Informatics

- American Medical Informatics Association (AMIA)
- Healthcare Information & Management Systems Society (HIMSS) – free student membership available through HMI
- American Health Information Management Association (AHIMA)

The benefits of active participation in professional organizations are many:

- Professional networking to support career building
- Scholarships and awards
- Attend and participate at national/regional meetings
- Receive professional newsletters and research publications
- Access job banks and industry data
- Lifelong learning (including post-graduation credentialing and certification)
- Reduced membership rates for students

Professional Organization Websites:

- <http://www.ache.org>
- <http://www.mgma.org>
- <http://www.hfma.org>
- <http://www.ihl.org>
- <http://www.amia.org>
- <http://www.himss.org>
- <http://www.academyhealth.org>
- <http://www.a4hi.org>

HMI Student Sibling Program

HMIGSA coordinates the HMI Student Sibling Program. Each first year student is paired with a second year student who acts as a mentor.



FINANCIAL AID

All need-based and federal aid is handled by Mizzou's Office of Student Financial Aid. Any questions regarding your FAFSA or financial aid package from the University should be directed to Student Financial Aid: <http://financialaid.missouri.edu/index.php>; (573) 882-7506.

As resources permit, the HMI Department provides merit-based financial assistance to all students who qualify. In order to be considered for merit-based aid from the Department, you must have a GPA of 3.0 or above. Students who are admitted with a GPA below 3.0 will become eligible for financial assistance if they complete at least one semester of coursework and raise their GPA to a 3.0 or higher. All students who meet the minimum GPA requirement are automatically considered for the various types of financial aid awarded by the Department. A separate application is not required. All forms of financial assistance from the department are competitive and are not guaranteed.

The three categories of aid offered by the HMI Department are out-of-state fee waivers, Graduate Research Assistantships (GRAs), and scholarships.

Out-of-state fee waivers waive non-resident tuition fees (currently \$562.80 per credit hour) for students who are not Missouri residents. In addition to the non-resident fee waiver, students receive a \$1,000 scholarship, which is applied directly toward the student's bill in the Fall and Spring (\$500 each semester). The non-resident tuition waiver and scholarship is not available for the Summer semester. International students are eligible for out-of-state fee waivers.

A limited number of Graduate Research Assistantships (GRAs) are awarded each academic year, depending upon funds available and alignment of project needs with student skills and interests. GRA positions require a minimum of 10 hours of work per week (some positions require as much as 20 hours), for which students earn an hourly wage (\$13.08 for the 2014-2015 school year). Students with a GRA also receive a full tuition waiver. Please keep in mind that the tuition waiver applies to tuition only, and does not cover any fees, including course fees or credit hours taken in excess of 16 per semester. Students are encouraged to check <http://www.hiremizzoutigers.com/> regularly for available GRA and GTA positions in other university departments.

HMI awards two scholarships annually to Health Administration students: the Maienschein Memorial Scholarship (\$1250 per academic year; student must be a Missouri resident) and the AUPHA Foster McGaw Scholarship (\$750 cash award; student must be a U.S. citizen). International students may be eligible for the Curators Grant-in-Aid award after they have completed two full semesters of coursework at MU. In addition, HMI will notify students of deadlines and qualifications for external scholarship opportunities offered by professional associations.



IT & ACADEMIC RESOURCES

Student Mailboxes and E-Mail

It is your responsibility to stay informed. You are expected to check your HMI mailbox a minimum of twice per week and your Mizzou e-mail daily for official communications from HMI faculty and HMI Student Services. Failure to do so is not an acceptable excuse for missing important notices, deadlines, etc. Students are strongly advised to have all personal mail delivered to their homes or permanent addresses and not to their school mailboxes.

Student E-mail

Please see <http://webmail.mizzou.edu/>

MIZZOU Information Technology

Please see <http://doit.missouri.edu/> for more information. The MU DoIT website contains information about computing and telecommunications needs. It is designed to be a "one-stop shop" for everything IT, including hardware, software, e-mail, networking, tech support, PawPrints, security, phone services, computer training, web hosting, printing, computing sites, and student ID cards.

IAT Services Training

Classroom Courses

MU faculty, staff and students have several options for obtaining computer skills training. All IT Training courses are available at no charge. Available courses can be found at <http://doit.missouri.edu/services/training/>.

Open Lab Sessions

IT Training conducts Open Lab sessions on most Friday mornings for MU students. Open Lab sessions are from 9 a.m. - 12 p.m. in 25 Arts and Sciences Building. No appointment is necessary. If you want to work with a particular trainer, contact the trainer in advance to ensure s/he is present.

Health Sciences Library

Current information maintained at <http://library.muhealth.org/>

In order to gain access to the HSL after 5:00 p.m., students may have their TigerCard **or** MUHC badge programmed. Students can request the programming for ONE of their badges to work with the outer door of the HSL. If they have two badges, only one can be set up to work with the door to gain access to the library. The TigerCard is an acceptable card for programming. Hospital Security staff members have been advised that programming of the TigerCard can be done. The duties of most of the officers lie in other areas, so it is understandable that the person on duty might not remember. If a student is told otherwise by the person on duty, they should remind the person respectfully and gently that Chesly Manning has stated that the programming of the TigerCard for HMI students is possible. Once the programming is done, if the card does not swipe correctly, the student should report the problem to Hospital Security. Please allow up to 48 hours for the programming of the badge to take effect after you go to the Hospital Security office. During restricted access hours (Reading Days and final exams), students should be prepared to show their TigerCard or MUHS badge at the HSL door in order to enter.



Graduate Tutoring at the Writing Lab, Student Success Center

The Writing Center is funded for undergraduates, but help can be offered to graduates on a more limited basis. Please see the graduate students' page for more information about how to make an appointment: <https://writingcenter.missouri.edu/WC2014/www/gradFinal.html>.

Student Competency in Referencing Tutorial

<https://hmi.missouri.edu/moodle/course/category.php?id=6>

To assist students in complying with proper citations in papers and reports, the Department has developed a web-based interactive tutorial. This tutorial provides an opportunity for students to learn about and practice the use of the American Psychological Association (APA) reference style to cite the work of others properly. While this tutorial focuses on the APA style of referencing, the content is relevant for other styles of referencing. Be sure you know what style is required by an instructor in a specific course. In this web-based tutorial, APA guidelines and rules are offered and you have the opportunity to demonstrate what has been learned by completing a short quiz. The tutorial remains available as a resource to which students can return when questions of proper form arise.

English Language Resources

The MU International Center maintains a list of English language and conversation classes at <http://international.missouri.edu/come-to-mu/living-in-columbia/local-english-language-and-conversation-classes.php>

The Intensive English Program (IEP) is for international students who would like to improve their English skills: <http://iep.missouri.edu/>

Information on MU's International Teaching Assistant Program (ITAP) is available at <http://gradschool.missouri.edu/resources/preparing-faculty/international-teaching-assistant/index.php>



HMI STUDENT SERVICES INFORMATION

HMI Student Services Team

Dr. Sue Boren – Associate Professor and HMI Director of Graduate Studies

Veronica Lemme – Student Recruitment Specialist, Alumni Relations Liaison, HMIGSA
Advisor

David Moxley – Associate Director of Executive Programs

Margaret Rossano – Student Services Advisor

Rick Sommer – Executive-in-Residence

The matrix on the following page shows which Student Services team member or HMI faculty or staff member to contact in various situations.



Situation	Department Contact										
	Sue Boren	course instructor	faculty mentor	Veronica Lemme	Allison Miller	David Moxley	Renee Pearman	Margaret Rossano	Rick Sommer	Ted Weatherford	Gina Whitworth
academic concerns	x	x					x				
add a dual degree							x				
add the HI or other graduate certificate							x				
apply to participate in case competitions (Kansas City, The Ohio State University UAB, Clarion,)	x										
apply for Student Associate status with the American College of Healthcare Executives (ACHE) - please complete the application online and provide Sue Boren's name and email borens@health.missouri.edu	x										
DARS (Degree Audit Reporting System)							x				
discuss healthcare, research, and education interests			x								
faculty mentor or course instructor is not responsive to your emails	x										
Fall Institute				x							
financial aid (assistantships and scholarships)							x				
graduation							x				
HMI computer issues						x					
HMIGSA				x							
human resources concerns											x
international student concerns (SPEAK, CPT, OPT, etc.)							x				
internship interview preparation								x			
Moodle issues					x						
obtain a letter of recommendation	x	x	x					x			
obtain a letter of recommendation from the program director/department chair (Dr. Simoes has asked Dr. Boren to provide these letters as Director of Graduate Studies)	x										
oral comprehensive examination			x				x				
other situation not mentioned here and you do not know whom to ask	x						x				
paycheck concerns											x
plan of study							x				
plan to complete a thesis							x				
post graduation fellowships information distribution							x	x			
printing from the HMI computers						x					
providing a name of or connecting a prospective student with HMI				x							
quality improvement suggestions	x										
quality issues related to a course or the program	x										
questions or concerns about a specific course		x									
registration for HMI classes & classes in other departments							x				
reserve the classroom (CE705) or a conference room (CE714 or CE730)					x						
resume review								x			
schedule an appointment with Dr. Simoes				x							
send summer internship reports to			x					x			
summer internships								x			
verification of enrollment							x				
Wednesday Forums								x			
you would like to change your faculty mentor	x						x				



HMI FACULTY MENTOR INFORMATION

A faculty mentor is defined as a guide, an advocate, a sympathetic ear, and a resource for information. As you meet with your faculty mentor at first during the orientation lunch and then over the following semesters you may wish to talk about the following topics: Why did you chose health care? What are your learning goals? What are your career goals? What you like to do in your free time? Etc.

Here are guidelines for graduate students and faculty that can lead to a successful mentoring relationship:

Commitments of Graduate Students

- I have the primary responsibility for the successful completion of my program.
- I will meet regularly with my faculty mentor and provide him/her with updates on my progress and activities. I will initiate the regular meetings.
- I will be proactive by expressing my questions and concerns, so that I can get what I need.
- I will be knowledgeable of the policies and requirements of my graduate program, graduate school, and institution. I will commit to meeting these requirements.

Key Responsibilities of Graduate Students

- Communicate with your Faculty Mentor

Commitments of Faculty Mentors

- I will be committed to the success of the graduate student. I will help to plan and direct the graduate student's development and set reasonable and attainable goals.
- I will meet one-on-one with the student on a regular basis.
- I will admit when I do not have expertise in a particular area, but I will look for other people who might be appropriate resources on that topic.
- I will provide an environment that is intellectually stimulating, emotionally supportive, safe, and free of harassment.

Key Responsibilities of Faculty Mentors

- Lunch with graduate student mentees during orientation
- Serving on oral exam committee (MHA) or project/thesis committee (MS)
- Review and provide feedback on summer internship reports
- Serve as faculty for research hours (MS) unless other arrangements are made
- Communicate with your Graduate Students

*** If you ever have any questions or concerns about your faculty mentor pairing, please contact Dr. Sue Boren (Director of Graduate Studies) or Margaret Rossano (Student Services Advisor).



HMI PROGRAM ACADEMIC INFORMATION

Plan of Study for the Master of Health Administration Degree

Prerequisite: Microeconomics

Semester	Course	Hours
Fall 2014	HMI 7410 - Design of Health and Human Service Systems	3
	HMI 8460 - Administration of Health Care Organizations	3
	HMI 8544 - Managerial Epidemiology	3
	HMI 8401 - Introduction to Accountancy & Finance	3
	Program Total	12
Spring 2015	HMI 8524 - Health Economics	3
	HMI 8461 - Managing Human Resources in Health Care Organizations	3
	HMI 8573 - Decision Making for Health Care Organizations	3
	Professional Elective	3
	Professional Elective	3
Program Total	15	
Summer 2015	HMI 8689 - Field Experience in Health Management and Informatics	3
	Program Total	3
Fall 2015	HMI 7430 - Introduction to Health Informatics	3
	HMI 8472 - Financial Management for Health Care Organizations	3
	HMI 8470 - Strategic Planning and Marketing for Health Care Organizations	3
	Professional Elective	3
Program Total	12	
Spring 2016	HMI 8453 - Executive Management Studies	3
	HMI 8571 - Decision Support in Health Care Systems	3
	HMI 8574 - Health Care Law	3
	HMI 8575 - Health Policy and Politics	3
	Professional Elective (if third elective not yet taken)	3
Program Total	12	
TOTAL		54

NOTES: Students must complete nine credit hours (three courses) of professional electives. Students may fit the electives into their plan of study however they choose, and have the option to take a professional elective during their first semester. Courses taken for Graduate Certificates or dual degrees count as professional electives.

Students should contact the HMI Student Services Advisor, Margaret Rossano, with questions rossanom@health.missouri.edu



Plan of Study for the Master of Science in Health Informatics Degree

Prerequisites: college algebra, statistics

course	semester	year	credits
HMI 7410 - Design of Health and Human Services Systems	fall	1	3
HMI 7430 - Introduction to Health Informatics	fall	1	3
HMI 7440 - Health Information Technology	fall	1	3
HMI 8544 - Managerial Epidemiology	fall	1	3
HMI 8441 - Theory and Application of Controlled Terminologies	spring	1	3
HMI 8443 - Enterprise Information Architecture	spring	1	3
HMI 8571 - Decision Support in Health Care Systems	spring	1	3
HMI 8435 - Information Security, Evaluation, and Policy	fall	2	3
HMI 8437 - Data Warehousing and Data/Text Mining for Health Care	fall	2	3
HMI 8610 - Consumer Health Informatics	fall	2	3
HMI 8870 - Knowledge Representation in Biology and Medicine	spring	2	3
HMI 8090 - Thesis Research (independent project)	spring	2	3
TOTAL			36

Plan of Study for the Graduate Certificate in Health Informatics

Course Number	Title	Credit Hours	Semester
HMI 7430	Introduction to Health Informatics	3	Fall
HMI 8443	Enterprise Information Architecture	3	Spring
HMI 8435	Information Security, Evaluation & Policy	3	Fall
HMI 8571	Decision Support in Health Care Systems	3	Spring
Total		12	



The plans of study displayed on the previous pages should serve as a general guide. Students create their plans of study in consultation with the HMI Student Services Advisor, and each student's plan of study will differ slightly. During the student's second year, the student's faculty mentor and the HMI Director of Graduate Studies sign the official Plan of Study (M1) document that the HMI Student Services Advisor must submit to the Graduate School for approval before a student may graduate.

Degree audits and M1 forms are now automatically generated through MU's DARSweb. Students may access their degree audits and M1s by logging into DARSweb at <http://registrar.missouri.edu/degree-audits/>. Alternatively, they may log in to MyZou and access their degree audits through the DARSweb link provided there. Students should contact the HMI Student Services Advisor if they have questions regarding plans of study, progress towards the degree, or DARSweb access.



HMI FALL 2014 AND SPRING 2015 CLASS SCHEDULES

Fall 2014 Residential Class Schedule								
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY			
8:00								
8:15								
8:30								
8:45								
9:00	HMI 7410	HMI 8437	HMI 8435	HMI 7410	HMI 8437	HMI 8435		
9:15	Hensel	Yoo	Kim	Hensel	Yoo	Kim		
9:30	9:00-10:15 a.m.	9:00-10:15 a.m.	9:00-10:15 a.m.	9:00-10:15 a.m.	9:00-10:15 a.m.	9:00-10:15 a.m.		
9:45	CE705	CE706 (or CE730)	CE705	CE705	CE706 (or CE730)	CE705		
10:00	HA-1/HI-1	HI-2	HI-2	HA-1/HI-1	HI-2	HI-2		
10:15								
10:30	HMI 8460	HMI 7440	HMI 8544	HMI 8460	HMI 7440	HMI 8544	HMI 8610	
10:45	Khatri	Popescu	Garikapaty	Khatri	Popescu	Garikapaty	Boren	
11:00	10:30-11:45 a.m.	10:30-11:45 a.m.	10:30-11:45 a.m.	10:30-11:45 a.m.	10:30-11:45 a.m.	10:30-11:45 a.m.	10:30-11:45 a.m.	
11:15	CE705	CE706 (or CE730)	CE705	CE705	CE706 (or CE730)	CE705	CE730	
11:30	HA-1	HI-1	HA-1/HI-1	HA-1	HI-1	HA-1/HI-1	HI-2	
11:45								
12:00				FORUM				
12:15				12:00-1:00 p.m.				
12:30			HMI 8401-02	CE 705		HMI 8401-02		
12:45			Weatherford			Weatherford		
13:00			12:30-1:45 p.m.			12:30-1:45 p.m.		
13:15			CE705			CE705		
13:30	HMI 7430		HA-1	HMI 7430		HA-1		
13:45	Boren/Zachary			Boren/Zachary				
14:00	1:15-2:30 p.m.		8472	1:15-2:30 p.m.		8472		
14:15	CE705		Phillips	CE705		Phillips		
14:30	HA-2 & 1/HI-1		2:00-3:15 p.m.	HA-2 & 1/HI-1		2:00-3:15 p.m.		
14:45			CE705			CE705		
15:00	HMI 8573		HA-2	HMI 8573		HA-2		
15:15	Wakefield/Clements			Wakefield/Clements				
15:30	3:00-4:15 p.m.		HMI 8470	3:00-4:15 p.m.		HMI 8470		
15:45	CE705		Hensel	CE705		Hensel		
16:00	HA-2		3:30-4:45 p.m.	HA-2		3:30-4:45 p.m.		
16:15			CE705			CE705		
16:30			HA-2			HA-2		
16:45								
17:00								
17:15								



Spring 2015 Residential Class Schedule

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00					
8:15					
8:30	HMI 8443		HMI 8443		
8:45	Ent. Info. Arch.		Ent. Info. Arch.		
9:00	Alafaireet	HMI 8574	Alafaireet	HMI 8574	HMI 7420
9:15	8:30-9:45 a.m.	Health Care Law	8:30-9:45 a.m.	Health Care Law	Fund. of Bio-
9:30	HI-1/HI CERT	Sill	HI-1/HI CERT	Sill	informatics
9:45		9:00-10:15 a.m.		9:00-10:15 a.m.	Popescu
10:00	HMI 8461	HA-2	HMI 8461	HA-2	9:00-10:15
10:15	Human Resour		Human Resour		a.m.
10:30	Khatri	HMI 8565	Khatri	HMI 8565	HI CE706
10:45	10:00-11:15 a.m	Health Ethics	10:00-11:15 a.m	Health Ethics	
11:00	HA-1	Phillips	HA-1	Phillips	HMI 8441
11:15		10:30-11:45		10:30-11:45	Thry & App of
11:30		Elective		Elective	Cntrl Term
11:45					Yoo
12:00		HMI 8571	WEDNESDAY	HMI 8571	10:30-11:45
12:15		Dec. Support in Hlth Care	FORUM	Dec. Support in Hlth Care	HI-1 CE706
12:30		Alafaireet	12:00-1:00 p.m.	Alafaireet	
12:45		12:00-1:15 p.m.		12:00-1:15 p.m.	
13:00		HA-2/HI-1		HA-2/HI-1	
13:15	HMI 8575		HMI 8575		
13:30	Hlth Policy & Pol.	HMI 8524	Hlth Policy & Pol.	HMI 8524	HMI 8810
13:45	Phillips	Health Econ	Phillips	Health Econ	Res. Mthds
14:00	1:15-2:30 p.m.	Phillips	1:15-2:30 p.m.	Phillips	Informatics
14:15	HA-2	1:30-2:45 p.m.	HA-2	1:30-2:45 p.m.	Boren
14:30		HA-1		HA-1	CE730
14:45					1:30-2:45
15:00	HMI 8573	HMI 8550	HMI 8573	HMI 8550	PhD CE730
15:15	Dec. Making for	Hlth Data Analytics	Dec. Making for	Hlth Data Analytics	
15:30	Hlth Care Organizations	Schmaltz	Hlth Care Organizations	Schmaltz	
15:45	Wakefield/Clements	3:00-4:15 p.m.	Wakefield/Clements	3:00-4:15 p.m.	
16:00	3:00-4:15 p.m.	Elective	3:00-4:15 p.m.	Elective	
16:15	HA-1		HA-1		
16:30					
16:45					
17:00					

GRADUATE SCHOOL ACADEMIC INFORMATION

The University confers a variety of master's degrees to students who satisfy the general requirements of the Graduate School and the specific requirements of the degree-granting Department or area program. Please see <http://gradschool.missouri.edu/academics/graduation-requirements/masters-grad-requirements.php> for information on the Graduate School's master's graduation requirements. For the HMI Department's specific degree requirements, please contact the Student Services Advisor.

Information pertaining to graduate programs offered by the Department of Health Management and Informatics can be accessed at <http://www.hmi.missouri.edu/index.php?q=node/1>.



Dual Master's Degrees

A student may pursue and complete two master's degrees simultaneously at MU. HMI has formal dual program agreements with several other schools and departments.²

Policies governing dual degree and certificate study can be accessed at <http://gradschool.missouri.edu/academics/graduation-requirements/dual-degree-requirements.php>.

Students who choose a dual degree option must apply separately to each degree program. Earning a dual degree typically takes less time than completing two degrees independently.

Thesis Option

A research thesis option (in place of an individual project) is available for health informatics students. Students who wish to complete a Master's Thesis should notify the Student Services Advisor by the end of their first year of graduate studies. Please consult <http://gradschool.missouri.edu/academics/thesis-dissertation/index.php> for further information.

Graduate Examination Requirements

Each candidate must pass a final examination to demonstrate mastery of the fundamental principles of the work included in the course of study offered for the degree. All candidates for the MA or MS degrees must complete either a thesis or a substantial independent project, which cannot be co-authored.

Where no thesis is presented by the candidate, the final examination committee, comprised of at least three members, is designated by the departmental or area program Director of Graduate studies with the approval of the Graduate School. Certification of completion of the examination, signed by the Director of Graduate Studies, is forwarded to the Graduate School.

Where a thesis is presented in partial fulfillment of graduation requirements, a final examination committee of at least three faculty members is approved by the Graduate School to administer the final examination. Members of the committee, including the third reader of the thesis, may be recommended by the adviser and the department or area program Director of Graduate Studies. No fewer than three members of the committee must sign the report of the master's degree examining committee, which is then forwarded through the departmental or area program Director of Graduate Studies to the Graduate School.

The candidate must be enrolled at the University during the semester or session in which a thesis is defended, a master's project is presented, or the completion of a master's comprehensive exam is certified.

Health Management & Informatics Oral Comprehensive Examination Policies & Procedures

- Purpose:** To demonstrate ability to:
1. Define the dimensions of complex problems or situations.
 2. Select, integrate, and apply relevant material and evidence to formulate and defend arguments.
 3. Present an analytical thought process in resolving the problem.

² Please see additional information on p. 20 regarding dual degree, graduate certificate and elective options for HMI Students.



4. Present and defend conclusions, based on practical feasibility and conceptual and theoretical soundness.

- Mode:** The examination will be oral, interactive with faculty, without references, and involve an intensive discussion of health management and informatics issues and areas.
1. All students will be required to complete their examination during the fourth semester on campus, or during the final semester if more than four semesters of didactic work are taken.
 2. Students will receive more information about the exam content in the months leading up to the exam. They should consult their faculty mentor with specific questions.
 3. The committee will consist of at least three members, two of whom will be full-time faculty with appointments in HMI, and one representing the field (HMI alumni often serve in this capacity). Additional faculty members might be assigned.
 4. The Student Services Advisor will appoint the examination committees and schedule the time and place of the examinations. The faculty mentor will serve as committee chairperson, to the degree the schedule permits.
 5. Students will receive a grade of pass or fail; two-thirds of the committee must agree on the grade.
 6. Students failing the examination, in most instances, will be allowed to repeat it, and, in most situations, will be given requirements to complete before re-examination.

Progress Toward Degree

Reasonable rate of progress toward your degree is governed by both the campus-wide policies of the Graduate School, and academic program regulations. The Graduate School maintains extensive information on academic progress, as well as requests for extension and appeals, grading and credit, and probation and termination at <http://gradschool.missouri.edu/academics/progress/graduate-stud-progress/master-stud-progress.php>. For information on HMI academic program regulations, please contact the HMI Student Services Advisor.

Time Limit for Master's Degree Completion

The program for the master's degree must be completed within a period of eight years, beginning with the first semester of enrollment in which the student is accepted to a degree program, or from the date of the oldest coursework used on the plan of study. For academic advice or assistance with degree program planning, students should contact the HMI Student Services Advisor.

Graduation and Commencement

Graduation and commencement information may be found at <http://gradschool.missouri.edu/academics/graduation-commencement/index.php>. As graduation approaches, second-year students are encouraged to check the Graduate School's Master's Timeline for Graduation & Commencement - <http://gradschool.missouri.edu/academics/graduation-commencement/timeline-deadlines/master-timeline.php> –to make sure that they do not miss any important deadlines.



ADDITIONAL STUDENT RESOURCES

Graduate School Information – <http://gradschool.missouri.edu>

Graduate Student Associations – <http://gsa.missouri.edu/>

Graduate Faculty Senate – <http://gfs.missouri.edu/index.php>

MU International Center – <http://international.missouri.edu/>

A plethora of information about almost everything at Mizzou is available at <http://www.missouri.edu/students/index.php?lid=aud>

CAMPUS INFORMATION AND RESOURCES

Accommodations for Students with Disabilities

The University of Missouri complies with the Americans with Disabilities Act and other applicable laws and regulations. If you have a disability and need accommodations, please contact Disability Services, S5 Memorial Union, Voice (573) 882-4696, TTY (573) 882-8054, or email disabilityservices@missouri.edu as soon as possible so that appropriate arrangements can be made. For more information, please visit the Web site at <http://disabilityservices.missouri.edu>. If you need this information in an alternative format (Braille, large print, or digital format), Disability Services can provide assistance.

Athletic Information – <http://mutigers.com>

Campus Map – <http://map.missouri.edu>

The Mizzou Store (formerly the University Bookstore) – <http://www.themizzoustore.com/>

Parking and Transportation

If you have a vehicle, you will need to acquire a parking permit in order to park on campus. Please see <http://parking.missouri.edu/html/main.cfm> for general parking and transportation information, and for the link to the student parking application.

Recreation Services and Facilities – <http://www.mizzourec.com>

Security

The University Police Department strives to keep the University community as safe as possible and has compiled an extensive listing of tips to help reduce your chances of becoming a victim of crime. This five-page document includes tips for personal safety in parking garages, rape prevention, vehicle theft, traffic and pedestrian safety, and robbery prevention: <http://www.mupolice.com/docs/safetytips.pdf>.

Student Health Center – <http://studenthealth.missouri.edu/>



APPENDIX

HMI Summer Internship Information

HMI's Executive-in-Residence, Rick Sommer, works with all students to place them in a summer internship. In addition to the expectations and deliverables outlined in the HMI 8689 – Field Experience in Health Management and Informatics syllabi, students who intend to complete a summer internship must abide by the following requirements:

1. All students must notify Rick Sommer of their intention to complete an internship, work with Rick to secure an internship placement, and provide all requested information and attend all required meetings. While the internship is a curriculum requirement for first year MHA students, all MSHI students, second and third year students, and Executive students must also notify Rick of their internship plans.
2. Students who complete an internship are required to register and pay for three credit hours of HMI 8689 for the summer semester. This requirement applies regardless of whether you find/arrange your internship through your own connections, or are completing a second or third internship. If you are completing an internship under the auspices of the HMI Department and the University of Missouri, and if you and your employer are calling your summer work experience an internship, then you must register.
3. All students must meet the HMI 8689 course requirements and complete all deliverables in the appropriate timeframe (please refer to the HMI 8689 syllabi for a list of requirements and due dates for the presentations and reports).
4. International students must abide by all visa-specific rules governing employment and training. For most HMI students, this will mean applying for Curricular Practical Training (CPT) authorization for the summer semester. However, some students may need to follow a different work authorization process. International students should check in with the HMI Student Services Advisor (Margaret Rossano) to ensure they follow the correct protocol. The Student Services Advisor will monitor that all international students are in compliance for the summer semester.

Dual Degree, Elective, and Graduate Certificate Options for HMI Students

HMI offers the following dual degree programs:

Master of Health Administration/Master of Science in Health Informatics
Master of Health Administration/Master of Business Administration
Master of Health Administration/Juris Doctor (Law)
Master of Health Administration/Master of Science in Industrial Engineering

To pursue a dual degree, you must apply to and be accepted separately by each program. Please contact the HMI Student Services Advisor for more information about any of the degree programs listed above.



Elective courses and Graduate Certificate programs provide students with the opportunity to specialize and receive training in a particular area of study while pursuing the Master's degree.

Within the HMI Department

HMI electives include:

HMI 8565 – Health Care Ethics (Spring)

HMI 8550 – Health Data Analytics (Spring)

HMI 7420 – Fundamentals of Bioinformatics (Spring)

MHA students may take Health Informatics courses -

<http://hmi.missouri.edu/prospective/courses.html> - as professional electives, but must satisfy pre-requisites or obtain permission of the instructor before doing so.

MHA students may earn a Graduate Certificate in Health Informatics -

<http://catalog.missouri.edu/undergraduategraduate/interdisciplinaryacademicprograms/healthinformatics/grad-certif-health-informatics/> - by completing HMI 8435 – Information Security, Evaluation, and Policy (Fall) and HMI 8443 – Enterprise Information Architecture (Spring), which will count as professional electives, in addition to HMI 7430 – Introduction to Health Informatics (Fall) and HMI 8571 – Decision Support for Health Care Systems (Spring), which are both required core MHA courses.

HMI also offers a 100% online Graduate Certificate in Health Ethics -

http://hmi.missouri.edu/prospective/ethics_certificate_description.html.

Outside the HMI Department

HMI students are free to take professional elective courses from a wide range of University schools, departments, and programs. **Students should consult MyZou for the most up-to-date information on course offerings.** Popular options and courses of specific interest to HMI students include:

Architectural Studies

ARCHST 7323 – Sustainable Technologies and Systems (LEED)

ARCHST 7610 (Taught as ARCHST 7001 Spring 2015) – Healthcare Facility Design

ARCHST 7620 – Environment and Behavior

ARCHST 7961 – Design Research and Service Design

ARCHST 7962 – Information Visualization and Visual Analytics

ARCHST 7963 – Human Factors Research for Design

ARCHST 7964 – Design Thinking and Creative Process

ARCHST 7961-7964 are new online courses for Architectural Studies' Design Research Concentration.

A Graduate Certificate in Healthcare Facility Design is in the early stages of development.

Family & Community Medicine

F_C_MD 8410 – Principles and Practices in Medical Education

Human Development and Family Studies

H_D_FS 7100 – Children in Health Care



H_D_FS 8012/NURS 8010 – Family Dynamics and Intervention

The HDFS Dept. also offers online Graduate Certificates in Gerontology and Geriatric Care Management, and an online Master's degree in Gerontology -

<http://hdfs.missouri.edu/graduate.html>

Industrial Engineering

Students may wish to pursue Lean Six Sigma Greenbelt Certification through the Industrial and Manufacturing Systems Engineering Department - <http://engineering.missouri.edu/imse/degree-programs/bs-ie/lean-six-sigma-green-belt/>

For more information about the dual MHA/MSIE degree, please contact the Student Services Advisor.

Information Science & Learning Technologies

ISLT 7360 – Intro to Web Development

Journalism

JOURN 8042 – Health News and Promotion

Law

LAW 5380 – Bioethics Seminar

LAW 5530 – Elder Law

LAW 5615 – Health Law: The Doctor/Patient Relationship

LAW 5616 – Health Care Organization and Finance Law

For more information about the dual MHA/JD degree, please contact the Student Services advisor. Information is available online at <https://law.missouri.edu/academics/dualdegree/mha-health-admin.shtml>.

MBA Program

HMI students often choose Crosby MBA program courses, as well as other courses offered by the College of Business' Management Department, as professional electives:

BUS 7330 – Business Law/Regulation (2 – 3 units)

BUS 7340 – Organizational Ethics (1 – 3 units) (MBA required course)

BUS_AD 7050 – MBA Communication Practice (1 – 3 units) (MBA required course)

FINANC 7010 – Financial Management

FINANC 7620 – Investment Strategy of Warren Buffet

FINANC 8070 – Security Markets and Investments

FINANC 8320 – Financial Markets

FINANC 8330 – Investment Policy and Portfolio Management

FINANC 8440 – Financing Multinational Business

MANGMT 7010 – Operations Management

MANGMT 7020 – Human Resources Management

MANGMT 7330 – Organizational Theory

MANGMT 7380 – Organizational Behavior and Management: the Individual (MBA required course)

MANGMT 7390 – Organizational Behavior and Management: Dyadic, Group, and Organizational Processes (MBA required course)



MANGMT 7410 – Management Information Systems (MBA required course)
MANGMT 7430 – Operations Strategy (MBA required course)
MANGMT 7470 – Data Analysis for Managers (MBA required course)
MANGMT 7480 – Managerial Analytics (MBA required course)
MANGMT 7540 – Legal Aspects of Business Organization and Operations
MANGMT 8100 – Exploring the Digital Globe
MANGMT 8320 – Management of Labor Relations
MANGMT 8360 – Negotiations
MANGMT 8410 – Managerial Decision Science
MANGMT 8510 – Project Management
MANGMT 8970 – Business Environment and Strategy
MRKTNG 7460 – Managerial Marketing (MBA required course)
MRKTNG 7470 – Advanced Marketing Management (MBA required course)
MRKTNG 8001 – MBA Topics in Marketing
MRKTNG 8050 – Marketing Strategy
MRKTNG 8060 – Competitive Marketing Strategy
MRKTNG 8350 – Business-to-Business Marketing
MRKTNG 8480 – Relationship Marketing
MRKTNG 8520 – Services Marketing
MRKTNG 8650 – Digital Marketing
MRKTNG 8720 – International Marketing
MRKTNG 8750 – Brand Management (1 – 3 units)

*Seats in MBA required courses go first to MBA students. Students from other programs may only take the course if there is space after all MBA students are enrolled.

**Many MBA courses are 1.5 credit hours (eight weeks) only

For more information about the dual MHA/MBA degree, please contact the Student Services Advisor.

MPA Program

PUB AF 8160 – Organization Dynamic and Leadership
PUB AF 8170 – Public Policy Processes and Strategies
PUB AF 8190 – Economic Analysis for Public Policy I
PUB AF 8210 – Ethics, Democracy, and the Public Service
PUB AF 8430 – Public Policy Analysis
PUB AF 8540 – Local Government Management
PUB AF 8630 – Organizational Change in a Community and Global Context
PUB AF 8720 – Budgeting and Financial Management in the Public and Nonprofit Sector

In addition to the MPA degree, the Truman School of Public Affairs also offers Graduate Certificates in Grantsmanship, Nonprofit Management, Public Management, Science and Public Policy, and Organizational Change - <https://truman.missouri.edu/degrees-programs/>. An unofficial, three-year dual MHA/MPA degree is possible. Please see the Student Services Advisor for more information.

MPH Program

P_HLTH 7150 – Principles of Public Health
P_HLTH 7160 – Interdisciplinary Perspectives in Global Health
STAT 7020 – Statistical Methods in Health Sciences
P_HLTH 8150 – Human Health and the Environment



P_HLTH 8920 – Social and Behavioral Sciences in Public Health

The MPH program offers a Graduate Certificate in Public Health and a Graduate Certificate in Global Public Health - <http://publichealth.missouri.edu/programs.php>. An unofficial, three year dual MHA/MPH degree is possible. Please see the Student Services Advisor for more information.

Philosophy

PHIL 7110 – Intermediate Logic

PHIL 9510 – Decision Theory

School of Medicine

The School of Medicine, in conjunction with the College of Engineering and the Trulaske College of Business, now offers a Graduate Certificate in Life Science Innovation and Entrepreneurship - <http://icats.missouri.edu/news/certificate/>.

Sociology

SOCIOL 7400 – Sociology of Health

Transatlantic Center

The MU Transatlantic Center offers a Graduate Certificate in European Union Studies. Please see

<http://catalog.missouri.edu/undergraduategraduate/interdisciplinaryacademicprograms/additionalminorsandcertificates/europeanunionstudies/> for more information.